

Abstract

Automatic Trim for Power Boats

A trim tab (18), hinged (19) at the bottom edge of a transom (12) of a boat (10) is rotated into a lower position, below the bottom of the boat when the drive (58) and propeller (17) are in a lowest-most trim position, and is raised up behind the transom, out of the way, when the drive and propeller are above a selected pickup trim position. A push tube (58) connected to the motor (16) drive operates a push rod (49). A push bar (96, 97) extends behind the drive to opposite sides thereof and is moved by the drive, causing, L-shaped pieces (104, 105) to rotate trim tabs (18a) with rods (115). A fluidic drive cylinder (142) may be operated by a master cylinder (134), or by a pump (148) responding to a position detector (150). Levers (164, 167) may be connected by a cable (155).